

Results of the upgraded Neutralized Drift Compression Experiment¹ STEVEN M. LIDIA², F.M. BIENIOSEK, Lawrence Berkeley National Laboratory, E.P. GILSON, Princeton Plasma Physics Laboratory, P.K. ROY, P. NI, P.A. SEIDL, K. VAN DEN BOGERT, W.L. WALDRON, Lawrence Berkeley National Laboratory — Recent changes to the NDCX beamline offer the promise of higher current compressed bunches, with correspondingly greater fluence delivered to the target plane for ion-beam driven warm dense matter experiments. We report modeling and commissioning results of the upgraded NDCX beamline that includes a new induction bunching module with approximately twice the volt-seconds and greater tuning flexibility, combined with a longer neutralized drift compression channel.

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Prefer Oral Session
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